

# ARACHIDONIC ACID METABOLISM

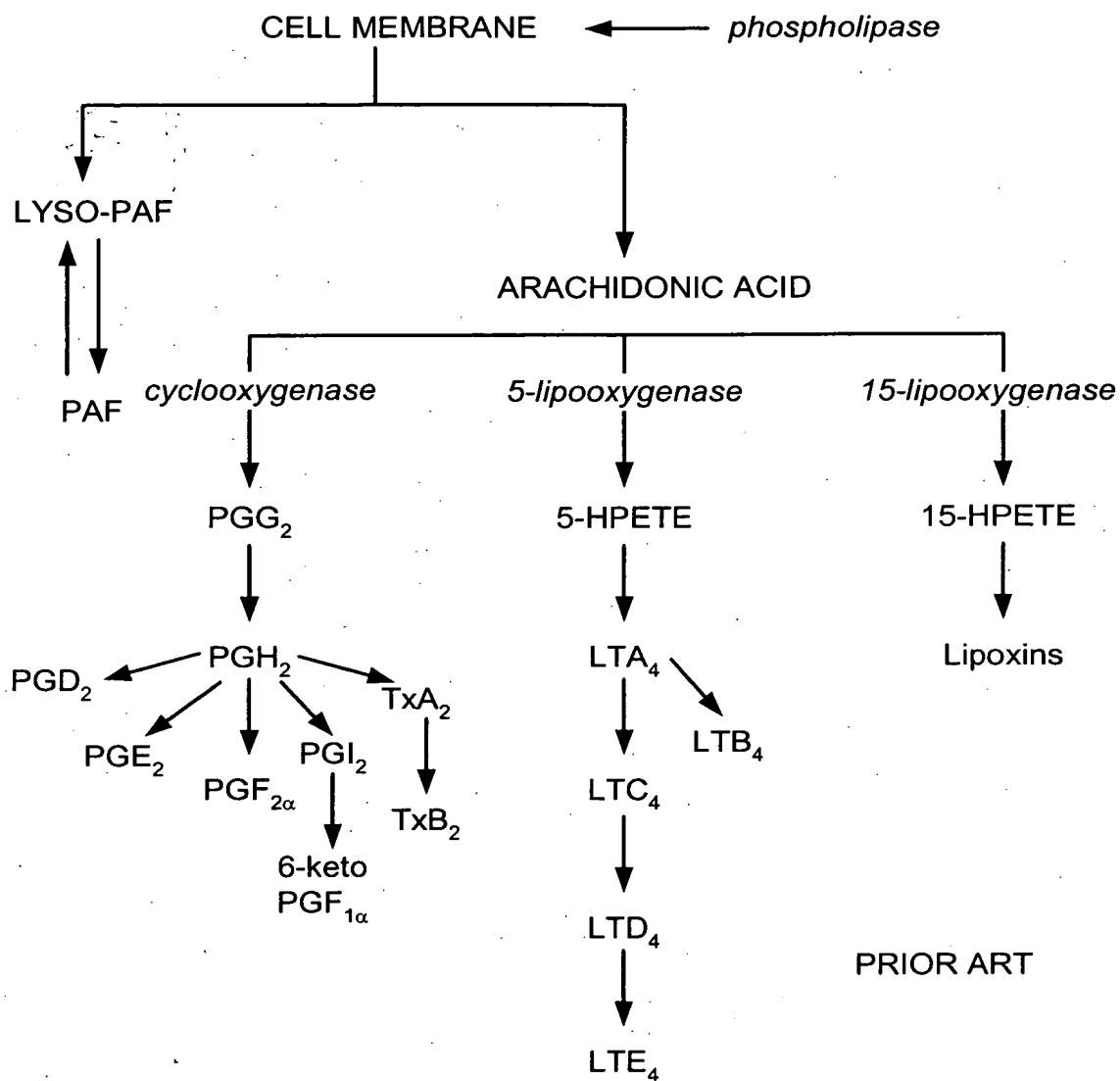


FIG. 1

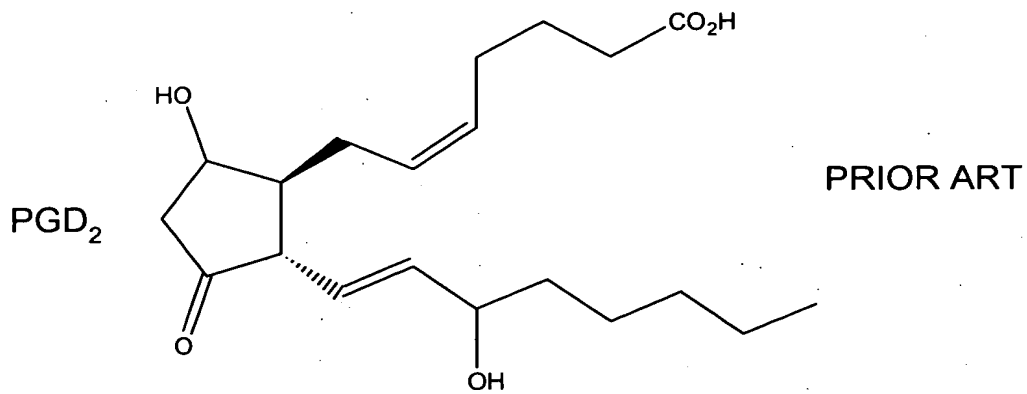


FIG. 2A

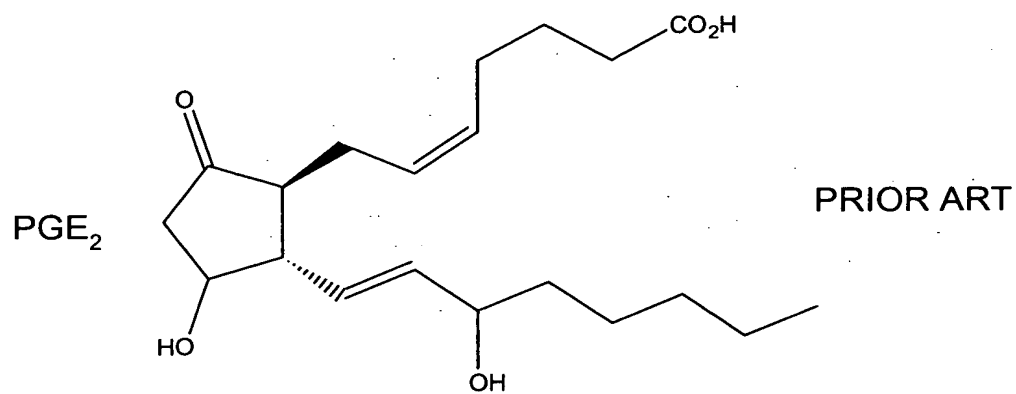


FIG. 2B

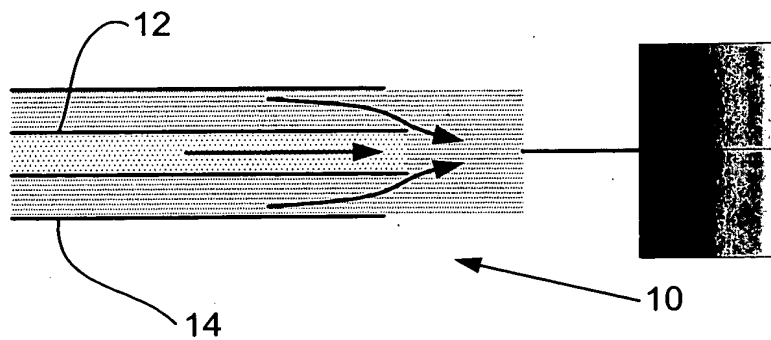


FIG. 3

20170510 0440

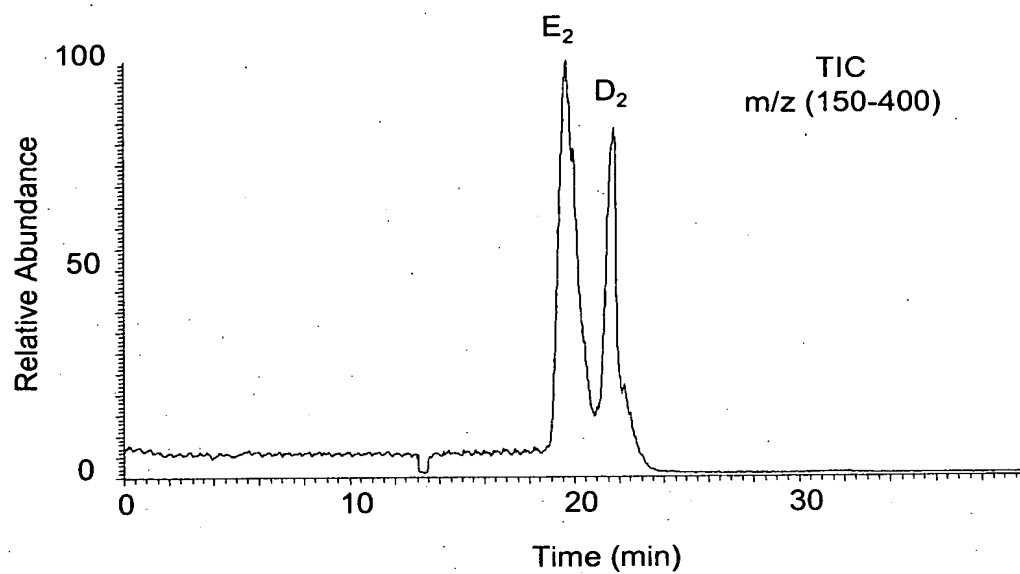


FIG. 4

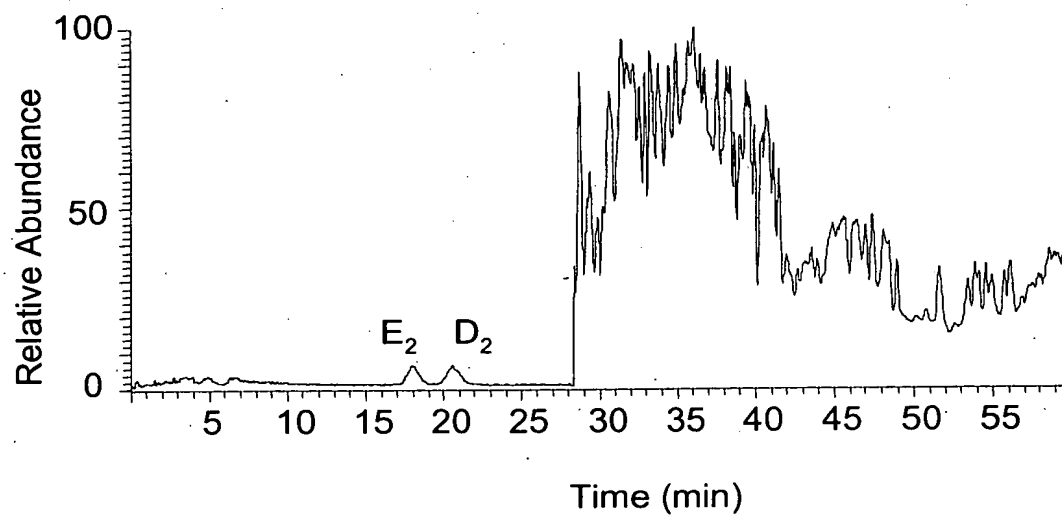


FIG. 5

Magic Temperature Controller  
Temperature: 40

Magic Pump

Run time: 60.00 min  
Initial Valve Position: INJECT  
Pump A: Enabled  
Pump B: Enabled

Time Program

time: 0.00 flow 45.00 %b: 26.00  
time: 30.00 flow 45.00 %b: 26.00  
time: 50.00 flow 45.00 %b: 90.00  
time: 55.00 flow 45.00 %b: 26.00  
time: 60.00 flow 45.00 %b: 26.00

Magic Detector

Run time: 60.00 min  
Deuterium Lamp is Enabled  
Tungsten Lamp is Disabled  
Zero On Change is Enabled  
WaveMode selected: Dual UV (190-365 nm)

Time Program

time: 0.00 wave1:214 wave2:234

FIG. 6A

LCQ Deca Instrument Method

MS Run Time (min):: 60.00

Divert Valve: not used during run

Contact Closure: not used during run

Unimetrics Syringe Settings:

Flow Rate ( $\mu\text{L}/\text{min}$ ): 15.00                      Volume ( $\mu\text{L}$ ): 500.00

Stop Syringe Pump at End of Run: Yes

MS Detector Settings:

Real-time modifications to method disabled

Segment 1 Information

Duration (min):                      28.34

Number of Scan Events:            4

Tune Method:                                      negative ion mode with lc

Scan Event Details:

1:    Neg    o(220.0-400.0)

2:    Neg    o(220.0-400.0)

3:    Neg    o(220.0-400.0)

4:    Neg    o(220.0-400.0)

Segment 2 Information

Duration (min):                      31.66

Number of Scan Events:            1

Tune Method:                                      angiolowflow

Scan Event Details:

1:    Pos    o(400.0-2000.0)

Custom Data Dependent Settings:

Not enabled

FIG. 6B

Duplication of PAL local LC-Inj cycle

Syringe: 10  $\mu$ L

01 LC-Inj

Air Volume ( $\mu$ L)	.0	
Pre Clean with Solvent 1	2	
Pre Clean with Solvent 2	3	
Pre Clean with Sample	1	
Filling Speed ( $\mu$ L/s)	.5	
Filling Strokes	5	
Inject to		LC Vlv1
Injection Speed ( $\mu$ L/s)	.5	
Pre Inject Delay (ms)	500	
Post Inject Delay (ms)	500	
Post Clean with Solvent 1	3	
Post Clean with Solvent 2	3	
Valve Clean with Solvent 1	3	
Valve Clean with Solvent 2	3	

SS420 Board Method

I. Acquisition

1. Number of channel in use: 2
2. Channel descriptions:  
A: 214  
B: 234
3. Sampling frequency (Hz): 10.000000
4. Acquisition time:  
Run in 60.00 min

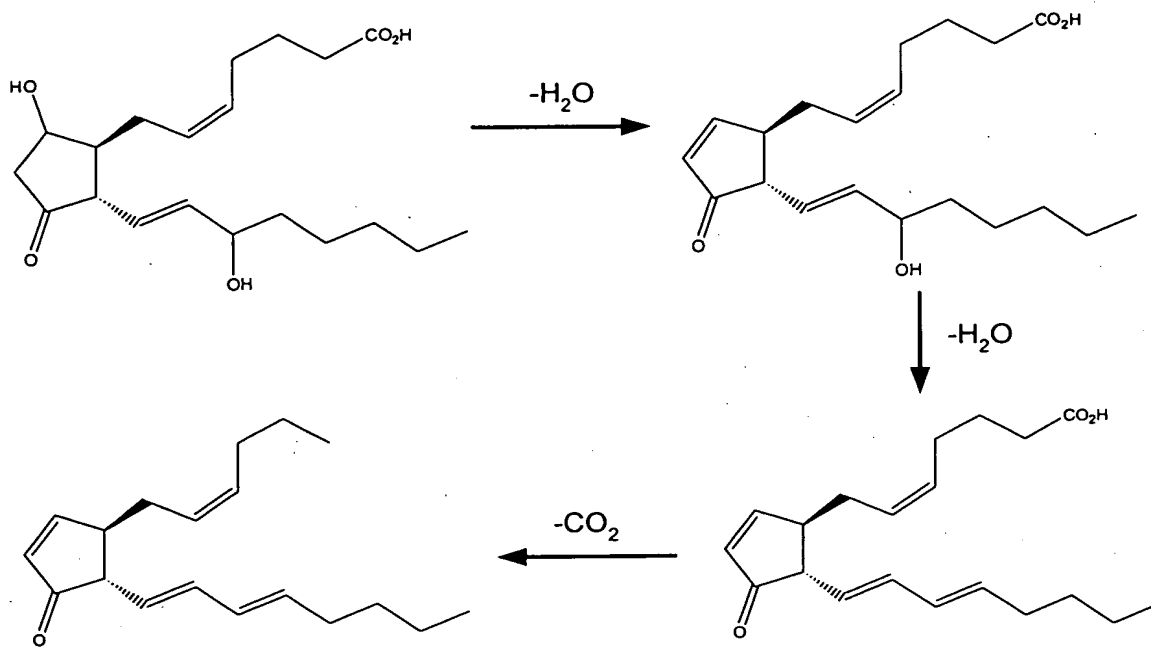
II. External Events:

External Events: not in use

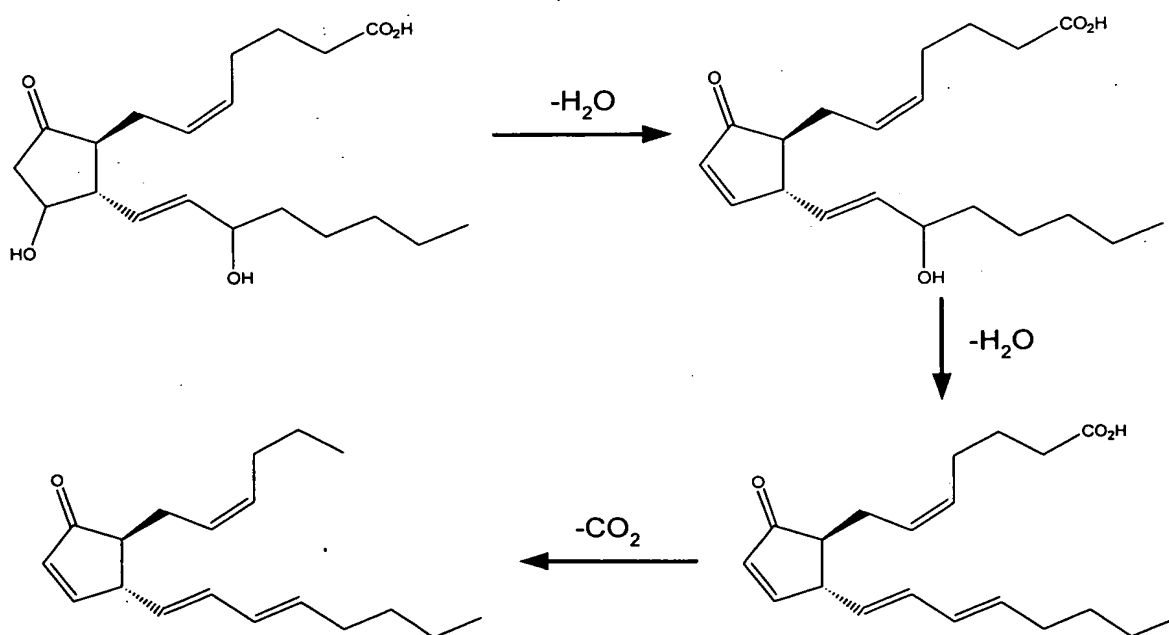
III. Configuration

Board Number: 1  
Trigger Line: 1  
Trigger type: closed contact causes trigger

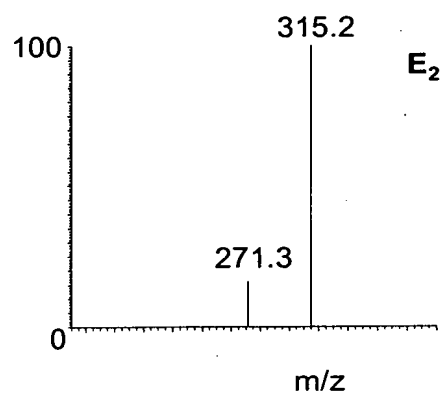
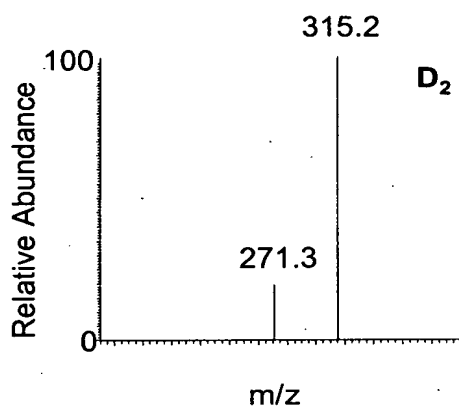
FIG. 6C



PRIOR ART FIG. 7A

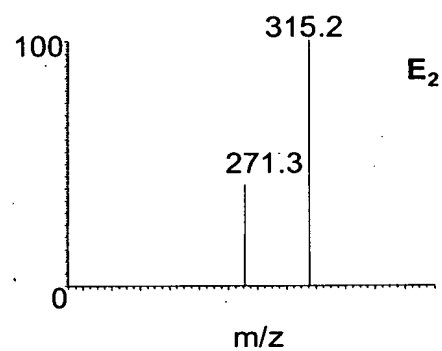
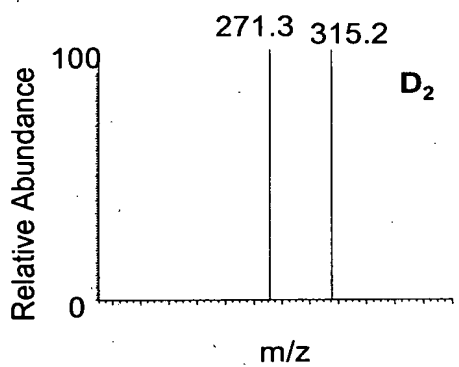


PRIOR ART FIG. 7B



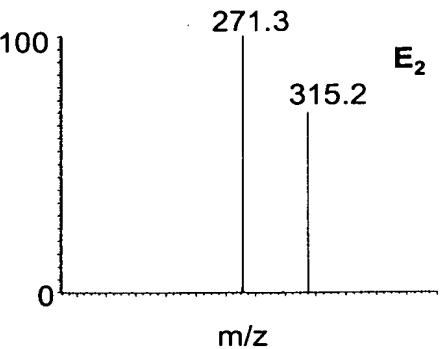
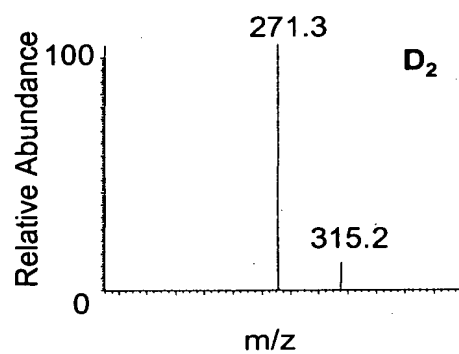
25%  
Maximum  
Energy

FIG. 8A



30%  
Maximum  
Energy

FIG. 8B



35%  
Maximum  
Energy

FIG. 8C